

Appl. No.: 09/852,438
Amdt. dated Jan. 17, 2005
Reply to Office Action of Sept. 17, 2004

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A system for controlling multimedia multipoint communication, comprising:

a plurality of multimedia terminals ~~[[,]]~~ supporting different multimedia conferencing protocols; and

a multipoint ~~control unit~~ controller in communication with said plurality of multimedia terminals for call signaling and call control information; and ~~in communication with at least one multipoint processor unit over H.248/Megaco protocol.~~

~~At~~ at least one multipoint processor unit in communication with said plurality of multimedia terminals for media information ~~and optionally call signaling and call control~~ and in communication with said multipoint ~~control unit~~ controller over H.248/Megaco protocol for interfacing the call signaling and the call control information between said multipoint ~~control unit~~ controller and the terminals, wherein the multipoint controller is used to establish and control multipoint mixing of media

2. (Currently Amended) The system of claim 1, wherein the multipoint processor unit is in communication with at least one non-H.323 terminal that is not supporting H.323 protocol, and wherein the multipoint processor unit is capable of:

demultiplexing the input from said non-H.323 terminal into call signaling and call control information and into media information; and

transferring the call signaling and the call control information to the multipoint ~~control unit~~ controller over H.248/Megaco and ~~receiving from the multipoint control unit the call signaling and the call control information aimed to said endpoint, and multiplexing the call signaling and call control and transferring the multiplex information to said endpoint.~~

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3. (New) The system of claim 2, wherein the multipoint processor unit is capable of:
receiving the call signaling and call control information from the multipoint controller directed to the non-H.323 terminal;
multiplexing the call signaling and call control information; and
transferring the multiplexed information to the non-H.323 terminal.
4. (New) The system of claim 1, wherein the at least one multipoint processor unit is in communication with the plurality of multimedia terminals for call signaling and call control information.
5. (New) The system of claim 1, wherein the multipoint controller includes an H.248 module for receiving and transmitting information from and to the multipoint processor unit.
6. (New) The system of claim 5, wherein the multipoint controller includes a management module for managing information between the H.248 module and at least one of an H.323 stack, an SIP stack, an SS7 module, or a conference management module.
7. (New) The system of claim 1, wherein the multipoint processor unit includes an H.248 module for receiving and transmitting information from and to the multipoint controller.
8. (New) The system of claim 7, wherein the multipoint processor unit includes a management module for managing information between the H.248 module and at least one of a switch packet network interface, a switched circuit network interface, an active context, or a bank of available terminations.
9. (New) A system for controlling multimedia multipoint communication between a plurality of multimedia terminals supporting different multimedia conferencing protocols, at least one of the terminals being a non-H.323 terminal not supporting H.323 protocol, the

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communication including call signaling, call control, and media information, the system comprising:

a multipoint controller handling the call signaling and call control information for the terminals; and

a multipoint processor handling the media information for the terminals, the processor in communication with the controller over H.248/Megaco protocol and in communication with the non-H.323 terminal, the processor interfacing the call signaling and call control information between the controller and the non-H.323 terminal to establish and control multipoint mixing of media.

10. (New) The system of claim 9, wherein the processor receives input from the non-H.323 terminal, demultiplexes the input into call signaling, call control, and media information, and transfers the call signaling and call control information to the controller over H.248/Megaco protocol.

11. (New) The system of claim 9, wherein the processor receives call signaling and call control information from the controller directed to the non-H.323 terminal, multiplexes the received information, and transfers the multiplexed information to the non-H.323 terminal.

12. (New) The system of claim 9, wherein the processor is in communication with the plurality of multimedia terminals for handling the call signaling and call control information.

13. (New) The system of claim 9, wherein the multipoint controller includes an H.248 module for receiving and transmitting information from and to the multipoint processor.

14. (New) The system of claim 13, wherein the multipoint controller includes a management module for managing information between the H.248 module and at least one of an H.323 stack, an SIP stack, an SS7 module, or a conference management module.

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15. (New) The system of claim 9, wherein the multipoint processor includes an H.248 module for receiving and transmitting information from and to the multipoint controller.
16. (New) The system of claim 9, wherein the multipoint processor includes a management module for managing information between the H.248 module and at least one of a switch packet network interface, a switched circuit network interface, an active context, or a bank of available terminations.
17. (New) A method of controlling multimedia multipoint communication between a plurality of multimedia terminals supporting different multimedia conferencing protocols, at least one of the terminals being a non-H.323 terminal not supporting H.323 protocol, the communication including call signaling, call control, and media information, the method comprising:
- handling the call signaling and call control information for the terminals with a multipoint controller;
 - handling the media information for the terminals with a multipoint processor;
 - communicating information between the processor and the controller over H.248/Megaco protocol; and
 - interfacing the call signaling and call control information between the controller and the non-H.323 terminal with the processor to establish and control multipoint mixing of media.
18. (New) The method of claim 17, wherein interfacing the call signaling and call control information between the controller and the non-H.323 terminal with the processor comprises:
- receiving input from the non-H.323 terminal;
 - demultiplexing the input into call signaling, call control, and media information; and
 - transferring the call signaling and call control information to the multipoint controller over H.248/Megaco protocol.

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19. (New) The method of claim 17, wherein interfacing the signaling and call control information between the controller and the non-H.323 terminal with the processor comprises:
- receiving call signaling and call control information from the multipoint controller directed to the non-H.323 terminal;
 - multiplexing the received information; and
 - transferring the multiplexed information to the non-H.323 terminal.